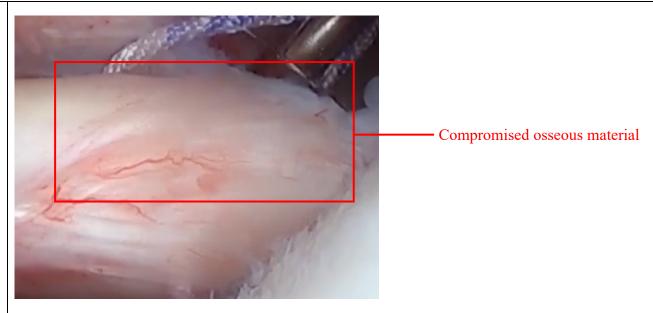
U.S. Patent No. US 8,617,160 v. Stryker

## 1. Claim Chart

Claim	Analysis		
[17.P] A device for the			
implantation into	This element is infringed literally, or in the alternative, under the	nent is infringed literally, or in the alternative, under the doctrine of equivalents.	
compromised osseous material comprising:	tensioning during arthroscopic rotator cuff repair ("device for the	LX STT Knotless Anchor System, a medical device used for specific tissue cuff repair ("device for the implantation into compromised osseous material"). atures an internal locking mechanism designed to facilitate fine-tuning and	
	REELX STT		
	Knotless anchor system		
	Self-punching knotless anchor that features an internal locking mechanism designed to facilitate fine tuning and tensioning of the repair.	struken*	
	Source: https://www.stryker.com/us/en/sports-medicine/products/reelx-stt-reelx-knotless-peek-anchor.html		



Source: <a href="https://www.stryker.com/us/en/sports-medicine/products/reelx-stt-reelx-knotless-peek-anchor.html">https://www.stryker.com/us/en/sports-medicine/products/reelx-stt-reelx-knotless-peek-anchor.html</a>, at 1:13 (annotated)

[17.1] an elongated tubular body wherein the elongated tubular body contains;
a) a mobile elongated rod;
b) an anchoring element

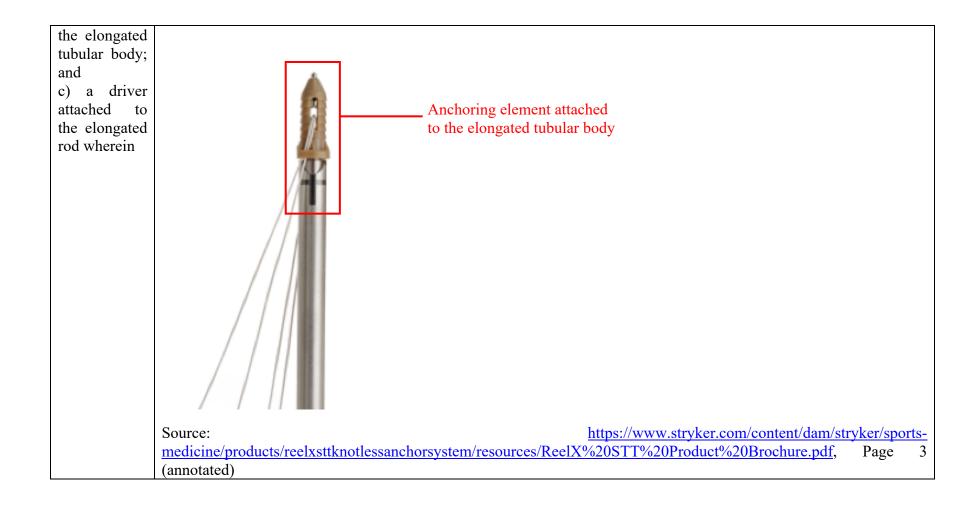
attached

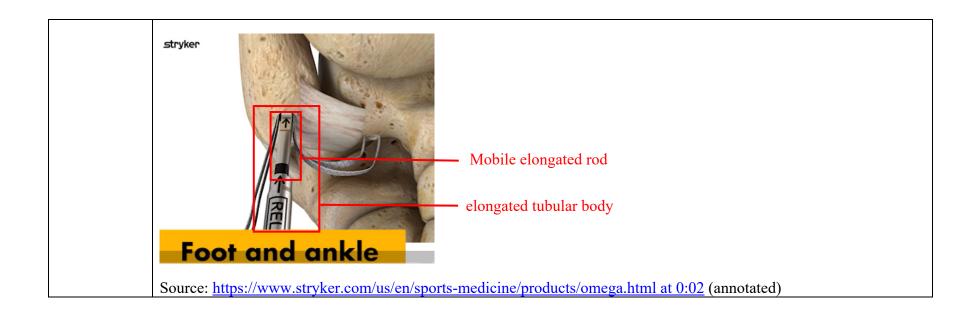
to

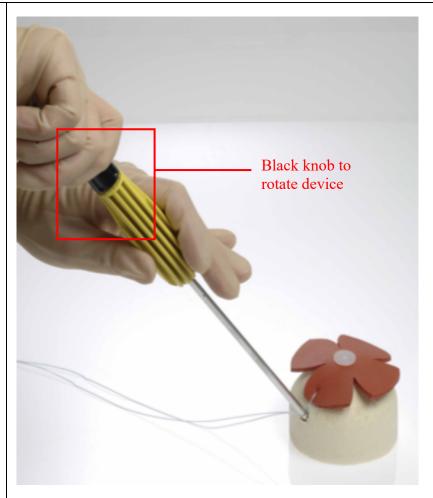
Company provides a device, comprising: an elongated tubular body wherein the elongated tubular body contains; a) a mobile elongated rod; b) an anchoring element attached to the elongated tubular body c) a driver attached to the elongated rod.

This element is infringed literally, or in the alternative, under the doctrine of equivalents.

For example, the REELX STT Knotless anchor system comprises a rod-shaped body ("elongated tubular body") that further comprises a mobile rod. Further, the body is inserted into the bone for inserting an anchor, which is attached to the tip of the device ("anchoring element attached to the elongated tubular body). Furthermore, the device includes a black knob which is rotated clockwise to spool excess suture into the anchor to facilitate insertion of the anchor inside the bone. Since, upon rotating the black knob, the anchor is pushed inside the bone, upon information and belief, there is a driver that is further attached to the mobile rod which rotates along with the black knob.







Source: <a href="https://www.stryker.com/content/dam/stryker/sports-medicine/products/reelxsttknotlessanchorsystem/resources/ReelX%20STT%20Product%20Brochure.pdf">https://www.stryker.com/content/dam/stryker/sports-medicine/products/reelxsttknotlessanchorsystem/resources/ReelX%20STT%20Product%20Brochure.pdf</a>, Page 3 (annotated)

[17.2] i) the driver moves within the elongated tubular body and engages the anchoring element causing the anchoring element to extend out of the elongated tubular body to engage the surrounding material; and

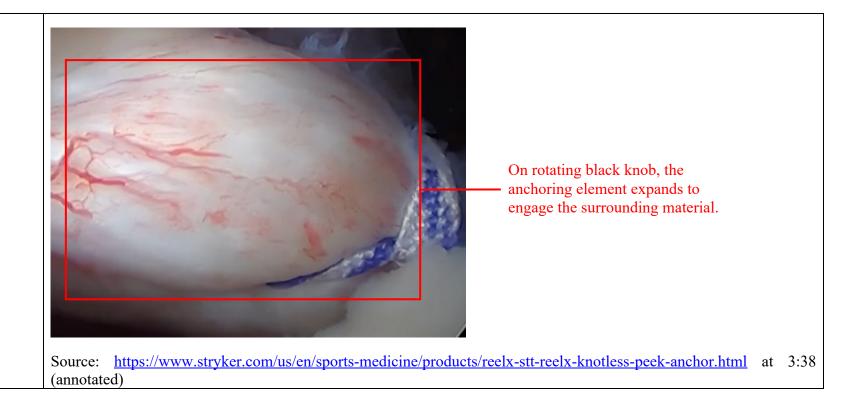
Company provides a device wherein i) the driver moves within the elongated tubular body and engages the anchoring element causing the anchoring element to extend out of the elongated tubular body to engage the surrounding material.

This element is infringed literally, or in the alternative, under the doctrine of equivalents.

For example, when the black knob is rotated clockwise, the desired suture tension is achieved, such that the anchor exits the tubular body ("the anchoring element to extend out of the elongated tubular body") and expands into the bone ("engage the surrounding material"). Since the expansion of the anchor occurs with the rotation of the black knob, upon information and belief, the mobile rod and the driver, rotate inside the device to facilitate the insertion of the anchor.



Source: <a href="https://www.stryker.com/us/en/sports-medicine/products/reelx-stt-reelx-knotless-peek-anchor.html">https://www.stryker.com/us/en/sports-medicine/products/reelx-stt-reelx-knotless-peek-anchor.html</a> at 3:30 (annotated)



While holding the yellow end of the inserter handle, rotate the black knob clockwise a minimum of one revolution to spool excess suture into the anchor. A maximum of three complete revolutions can be made. The implant has one locking point for every 60° of revolution of the black knob, and advances approximately 1.5mm of suture for every 60° of rotation. After achieving the desired suture tension,

disengage the anchor inserter by pulling back on the yellow handle. Additional tension may be applied to the suture by re-engaging the inserter shaft into the implanted anchor and continuing to rotate the black knob clockwise.

Source: <a href="https://www.stryker.com/content/dam/stryker/sports-medicine/products/reelxsttknotlessanchorsystem/resources/ReelX%20STT%20Product%20Brochure.pdf">https://www.stryker.com/content/dam/stryker/sports-medicine/products/reelxsttknotlessanchorsystem/resources/ReelX%20STT%20Product%20Brochure.pdf</a>, Page 3

[17.3] ii) the driver remains engaged with the anchoring element holding the anchoring element in position until the driver is moved a second time.

Company provides a device wherein ii) the driver remains engaged with the anchoring element holding the anchoring element in position until the driver is moved a second time.

This element is infringed literally, or in the alternative, under the doctrine of equivalents.

For example, after the anchor is inserted into the bone, the anchor inserter, including the driver, stays affixed with the anchor inside the body until the anchor is secured in place ("the driver remains engaged with the anchoring element holding the anchoring element in position"). Subsequently, the yellow handle of the anchor inserter device is pulled ("the driver is moved a second time") to disengage the anchor inserter from the body, removing the device while leaving the anchor securely placed inside the bone.



the driver remains engaged with the anchoring element

Source: <a href="https://www.stryker.com/us/en/sports-medicine/products/reelx-stt-reelx-knotless-peek-anchor.html">https://www.stryker.com/us/en/sports-medicine/products/reelx-stt-reelx-knotless-peek-anchor.html</a> at 2:46 (annotated)

While holding the yellow end of the inserter handle, rotate the black knob clockwise a minimum of one revolution to spool excess suture into the anchor. A maximum of three complete revolutions can be made. The implant has one locking point for every 60° of revolution of the black knob, and advances approximately 1.5mm of suture for every 60° of rotation. After achieving the desired suture tension, disengage the anchor inserter by pulling back on the yellow handle. Additional tension may be applied to the suture by re-engaging the inserter shaft into the implanted anchor and continuing to rotate the black knob clockwise.

Sou	https://www.stryker.com/content/dam/stryker/sports-
med	dicine/products/reelxsttknotlessanchorsystem/resources/ReelX%20STT%20Product%20Brochure.pdf, Page 3

## 2. List of References

- 1. <a href="https://www.stryker.com/us/en/sports-medicine/products/reelx-stt-reelx-knotless-peek-anchor.html">https://www.stryker.com/us/en/sports-medicine/products/reelx-stt-reelx-knotless-peek-anchor.html</a>, last accessed on 19 February 2024.
- 2. <a href="https://www.stryker.com/content/dam/stryker/sports-medicine/products/reelxsttknotlessanchorsystem/resources/ReelX%20STT%20Product%20Brochure.pdf">https://www.stryker.com/content/dam/stryker/sports-medicine/products/reelxsttknotlessanchorsystem/resources/ReelX%20STT%20Product%20Brochure.pdf</a>, last accessed on 19 February 2024.